

Title (en)
FLUID TESTING CHIP AND CASSETTE

Title (de)
FLÜSSIGKEITSTESTCHIP UND KASSETTE

Title (fr)
CASSETTE ET PUCE DE TEST DE FLUIDE

Publication
EP 3234594 A4 20180711 (EN)

Application
EP 15880535 A 20150130

Priority
US 2015013928 W 20150130

Abstract (en)
[origin: WO2016122645A1] A fluid testing cassette may comprise a micro fluidic channel extending having a constriction and a micro-fabricated integrated sensor within the constriction. In one implementation, the constriction is less than or equal to 30 µm. In one implementation, the cassette further comprises a nozzle connecting the micro fluidic channel to the discharge reservoir, wherein a thermal resistor expels fluid within the micro fluidic channel into the discharge reservoir.

IPC 8 full level
G01N 33/48 (2006.01); **B01L 3/00** (2006.01); **G01N 33/72** (2006.01); **G01N 35/08** (2006.01)

CPC (source: EP KR US)
B01L 3/502715 (2013.01 - EP KR US); **B01L 3/502761** (2013.01 - EP KR US); **G01N 15/0266** (2013.01 - US); **G01N 15/1023** (2024.01 - US); **G01N 15/1031** (2013.01 - US); **G01N 33/86** (2013.01 - US); **B01L 2200/0647** (2013.01 - EP KR US); **B01L 2200/10** (2013.01 - US); **B01L 2300/044** (2013.01 - US); **B01L 2300/0627** (2013.01 - US); **B01L 2300/0645** (2013.01 - EP KR US); **B01L 2300/0681** (2013.01 - EP KR US); **B01L 2300/0816** (2013.01 - US); **B01L 2300/0867** (2013.01 - EP KR US); **B01L 2300/088** (2013.01 - EP KR US); **B01L 2300/0883** (2013.01 - EP KR US); **B01L 2400/0406** (2013.01 - US); **B01L 2400/0439** (2013.01 - EP KR US); **B01L 2400/0442** (2013.01 - EP KR US); **B01L 2400/086** (2013.01 - EP KR US); **G01N 15/01** (2024.01 - US)

Citation (search report)

- [XYI] US 2011089328 A1 20110421 - LI DONGQING [CA]
- [Y] WO 2014178827 A1 20141106 - HEWLETT PACKARD DEVELOPMENT CO [US]
- [A] US 2005118705 A1 20050602 - RABBITT RICHARD D [US], et al
- See references of WO 2016122645A1

Cited by
EP3704266A4; US2021170396A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2016122645 A1 20160804; CA 2975423 A1 20160804; CN 107250791 A 20171013; CN 107250791 B 20200317; EP 3234594 A1 20171025; EP 3234594 A4 20180711; EP 3234594 B1 20191211; JP 2018509603 A 20180405; JP 6460431 B2 20190130; KR 102316022 B1 20211021; KR 20170109240 A 20170928; TW 201627671 A 20160801; TW I583956 B 20170521; US 10875018 B2 20201229; US 2018021777 A1 20180125

DOCDB simple family (application)
US 2015013928 W 20150130; CA 2975423 A 20150130; CN 201580074803 A 20150130; EP 15880535 A 20150130; JP 2017540124 A 20150130; KR 20177021304 A 20150130; TW 105100746 A 20160112; US 201515546742 A 20150130